

## Torque Limiting Three-Lobed Knobs / Knob Screws

Knob Plastic, Torque Limiting Mechanism Steel

### SPECIFICATION

#### Knob

- Plastic, Polyamide (PA-HP)
- Glass fiber reinforced
- Black, matte finish

#### Torque limiting mechanism

Steel, hardened

#### Other parts

Steel, blackened

#### Cover

Plastic, light gray

### INFORMATION

Torque limiting three-lobed knobs / screws GN 3664 are used when the manually applied torque is to be limited.

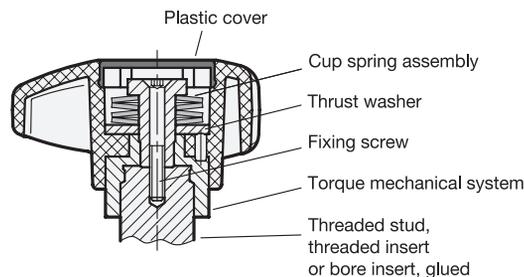
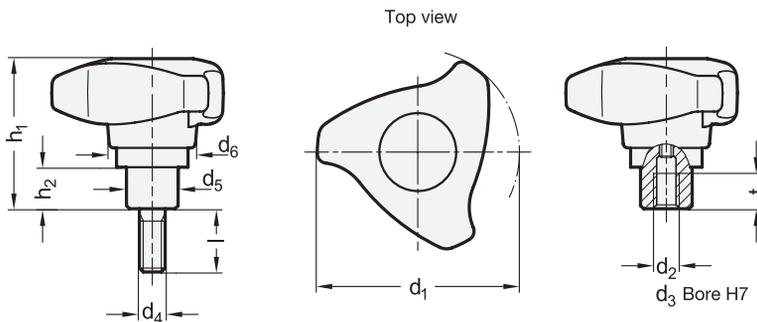
When turned clockwise, the torque mechanical system of the knurled knob triggers an „over-engagement“ as soon as the specified torque is reached. When turning counterclockwise, the mechanical system locks such that the torque is not limited. For example, when tightening, this will ensure that the maximum permissible torque is not exceeded. On the other hand, the torque necessary for releasing will always be transferred reliably.

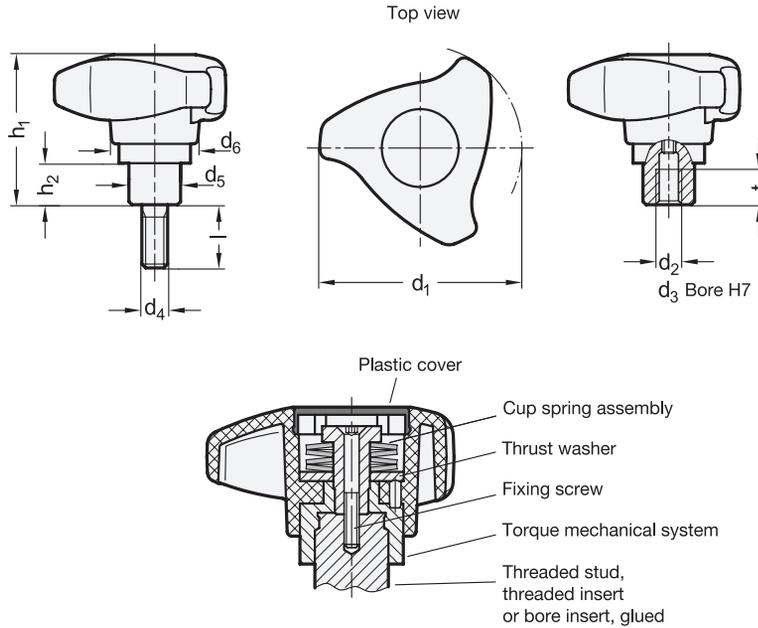
### ON REQUEST

- Other dimensions of bore inserts or threaded inserts analog GN 300 (see page 320).
- Other inserts with special threaded studs analog GN 306 (see page 340).
- Other torques
- Torques limiting turning counterclockwise or turning counterclockwise and clockwise

### TECHNICAL INFORMATION

- ISO-Fundamental Tolerances (see page A21)
- Plastic Characteristics (see page A2)

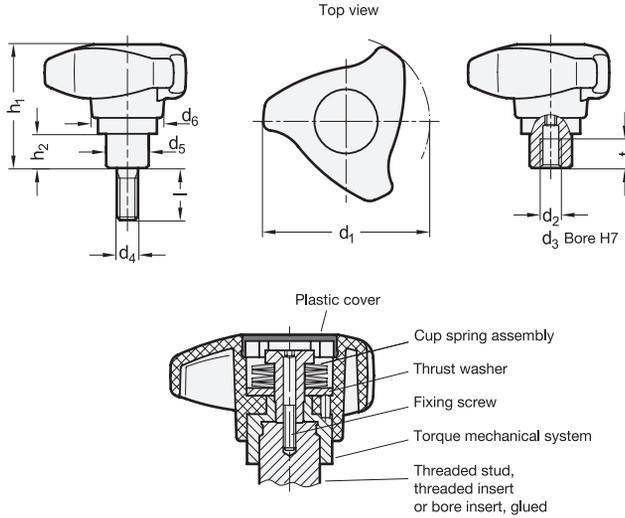




**GN 3664-Bushing**

Description	d1	d2 Thread	d3 H7 Bore	d5	d6	h1	h2	t min.	Torque ±10% in Nm	⚖️
GN 3664-50-M6-2	50	M 6	-	13.5	23.6	42	11	11	2	63
GN 3664-50-B6-2	50	-	B 6	13.5	23.6	42	11	11	2	63
GN 3664-50-M6-3	50	M 6	-	13.5	23.6	42	11	11	3	63
GN 3664-50-B6-3	50	-	B 6	13.5	23.6	42	11	11	3	63
GN 3664-50-M6-4	50	M 6	-	13.5	23.6	42	11	11	4	63
GN 3664-50-B6-4	50	-	B 6	13.5	23.6	42	11	11	4	63
GN 3664-50-M8-2	50	M 8	-	13.5	23.6	42	11	11	2	61
GN 3664-50-B8-2	50	-	B 8	13.5	23.6	42	11	11	2	58
GN 3664-50-M8-3	50	M 8	-	13.5	23.6	42	11	11	3	61
GN 3664-50-B8-3	50	-	B 8	13.5	23.6	42	11	11	3	58
GN 3664-50-M8-4	50	M 8	-	13.5	23.6	42	11	11	4	61
GN 3664-50-B8-4	50	-	B 8	13.5	23.6	42	11	11	4	58
GN 3664-63-M8-3.2	63	M 8	-	16	28.1	47	13	14	3.2	107
GN 3664-63-B8-3.2	63	-	B 8	16	28.1	47	13	14	3.2	108
GN 3664-63-M8-4	63	M 8	-	16	28.1	47	13	14	4	107
GN 3664-63-B8-4	63	-	B 8	16	28.1	47	13	14	4	108
GN 3664-63-M8-4.7	63	M 8	-	16	28.1	47	13	14	4.7	107
GN 3664-63-B8-4.7	63	-	B 8	16	28.1	47	13	14	4.7	108
GN 3664-63-M10-3.2	63	M10	-	16	28.1	47	13	14	3.2	104
GN 3664-63-B10-3.2	63	-	B 10	16	28.1	47	13	14	3.2	104
GN 3664-63-M10-4	63	M10	-	16	28.1	47	13	14	4	104
GN 3664-63-B10-4	63	-	B 10	16	28.1	47	13	14	4	104
GN 3664-63-M10-4.7	63	M10	-	16	28.1	47	13	14	4.7	104
GN 3664-63-B10-4.7	63	-	B 10	16	28.1	47	13	14	4.7	104
GN 3664-80-M10-4	80	M 10	-	19	34.1	55	15.5	17	4	174
GN 3664-80-B10-4	80	-	B 10	19	34.1	55	15.5	17	4	175
GN 3664-80-M10-5.5	80	M 10	-	19	34.1	55	15.5	17	5.5	174
GN 3664-80-B10-5.5	80	-	B 10	19	34.1	55	15.5	17	5.5	175
GN 3664-80-M10-7.5	80	M 10	-	19	34.1	55	15.5	17	7.5	174
GN 3664-80-B10-7.5	80	-	B 10	19	34.1	55	15.5	17	7.5	175
GN 3664-80-M12-4	80	M 12	-	19	34.1	55	15.5	17	4	169
GN 3664-80-B12-4	80	-	B 12	19	34.1	55	15.5	17	4	169
GN 3664-80-M12-5.5	80	M 12	-	19	34.1	55	15.5	17	5.5	169
GN 3664-80-B12-5.5	80	-	B 12	19	34.1	55	15.5	17	5.5	169
GN 3664-80-M12-7.5	80	M 12	-	19	34.1	55	15.5	17	7.5	169
GN 3664-80-B12-7.5	80	-	B 12	19	34.1	55	15.5	17	7.5	169





### GN 3664-Screw

Description	d1	d4 Thread	Length l	d5	d6	h1	h2	Torque ±10% in Nm	⚖️
GN 3664-50-M8-16-2	50	M 8	16	13.5	23.6	42	11	2	71
GN 3664-50-M8-16-3	50	M 8	16	13.5	23.6	42	11	3	71
GN 3664-50-M8-16-4	50	M 8	16	13.5	23.6	42	11	4	71
GN 3664-50-M8-20-2	50	M 8	20	13.5	23.6	42	11	2	71
GN 3664-50-M8-20-3	50	M 8	20	13.5	23.6	42	11	3	71
GN 3664-50-M8-20-4	50	M 8	20	13.5	23.6	42	11	4	71
GN 3664-50-M8-25-2	50	M 8	25	13.5	23.6	42	11	2	73
GN 3664-50-M8-25-3	50	M 8	25	13.5	23.6	42	11	3	73
GN 3664-50-M8-25-4	50	M 8	25	13.5	23.6	42	11	4	73
GN 3664-50-M8-32-2	50	M 8	32	13.5	23.6	42	11	2	75
GN 3664-50-M8-32-3	50	M 8	32	13.5	23.6	42	11	3	75
GN 3664-50-M8-32-4	50	M 8	32	13.5	23.6	42	11	4	75
GN 3664-50-M8-40-2	50	M 8	40	13.5	23.6	42	11	2	77
GN 3664-50-M8-40-3	50	M 8	40	13.5	23.6	42	11	3	77
GN 3664-50-M8-40-4	50	M 8	40	13.5	23.6	42	11	4	77
GN 3664-50-M10-20-2	50	M 10	20	13.5	23.6	42	11	2	74
GN 3664-50-M10-20-3	50	M 10	20	13.5	23.6	42	11	3	74
GN 3664-50-M10-20-4	50	M 10	20	13.5	23.6	42	11	4	74
GN 3664-50-M10-25-2	50	M 10	25	13.5	23.6	42	11	2	77
GN 3664-50-M10-25-3	50	M 10	25	13.5	23.6	42	11	3	77
GN 3664-50-M10-25-4	50	M 10	25	13.5	23.6	42	11	4	77
GN 3664-50-M10-32-2	50	M 10	32	13.5	23.6	42	11	2	81
GN 3664-50-M10-32-3	50	M 10	32	13.5	23.6	42	11	3	81
GN 3664-50-M10-32-4	50	M 10	32	13.5	23.6	42	11	4	81
GN 3664-50-M10-40-2	50	M 10	40	13.5	23.6	42	11	2	83
GN 3664-50-M10-40-3	50	M 10	40	13.5	23.6	42	11	3	83
GN 3664-50-M10-40-4	50	M 10	40	13.5	23.6	42	11	4	83
GN 3664-50-M10-50-2	50	M 10	50	13.5	23.6	42	11	2	88
GN 3664-50-M10-50-3	50	M 10	50	13.5	23.6	42	11	3	88
GN 3664-50-M10-50-4	50	M 10	50	13.5	23.6	42	11	4	88
GN 3664-63-M8-25-3.2	63	M 8	25	16	28.1	47	13	3.2	119
GN 3664-63-M8-25-4	63	M 8	25	16	28.1	47	13	4	119
GN 3664-63-M8-25-4.7	63	M 8	25	16	28.1	47	13	4.7	119
GN 3664-63-M8-32-3.2	63	M 8	32	16	28.1	47	13	3.2	122
GN 3664-63-M8-32-4	63	M 8	32	16	28.1	47	13	4	122
GN 3664-63-M8-32-4.7	63	M 8	32	16	28.1	47	13	4.7	122
GN 3664-63-M8-40-3.2	63	M 8	40	16	28.1	47	13	3.2	126
GN 3664-63-M8-40-4	63	M 8	40	16	28.1	47	13	4	126
GN 3664-63-M8-40-4.7	63	M 8	40	16	28.1	47	13	4.7	126
GN 3664-63-M8-50-3.2	63	M 8	50	16	28.1	47	13	3.2	129
GN 3664-63-M8-50-4	63	M 8	50	16	28.1	47	13	4	129
GN 3664-63-M8-50-4.7	63	M 8	50	16	28.1	47	13	4.7	129
GN 3664-63-M8-63-3.2	63	M 8	63	16	28.1	47	13	3.2	133
GN 3664-63-M8-63-4	63	M 8	63	16	28.1	47	13	4	133
GN 3664-63-M8-63-4.7	63	M 8	63	16	28.1	47	13	4.7	133

Description	d1	d4 Thread	Length l	d5	d6	h1	h2	Torque ±10% in Nm	⚖️
GN 3664-63-M10-25-3.2	63	M 10	25	16	28.1	47	13	3.2	125
GN 3664-63-M10-25-4	63	M 10	25	16	28.1	47	13	4	125
GN 3664-63-M10-25-4.7	63	M 10	25	16	28.1	47	13	4.7	125
GN 3664-63-M10-32-3.2	63	M 10	32	16	28.1	47	13	3.2	128
GN 3664-63-M10-32-4	63	M 10	32	16	28.1	47	13	4	128
GN 3664-63-M10-32-4.7	63	M 10	32	16	28.1	47	13	4.7	128
GN 3664-63-M10-40-3.2	63	M 10	40	16	28.1	47	13	3.2	132
GN 3664-63-M10-40-4	63	M 10	40	16	28.1	47	13	4	132
GN 3664-63-M10-40-4.7	63	M 10	40	16	28.1	47	13	4.7	132
GN 3664-63-M10-50-3.2	63	M 10	50	16	28.1	47	13	3.2	137
GN 3664-63-M10-50-4	63	M 10	50	16	28.1	47	13	4	137
GN 3664-63-M10-50-4.7	63	M 10	50	16	28.1	47	13	4.7	137
GN 3664-63-M10-63-3.2	63	M 10	63	16	28.1	47	13	3.2	143
GN 3664-63-M10-63-4	63	M 10	63	16	28.1	47	13	4	143
GN 3664-63-M10-63-4.7	63	M 10	63	16	28.1	47	13	4.7	143
GN 3664-80-M10-25-4	80	M 10	25	19	34.1	55	15.5	4	196
GN 3664-80-M10-25-5.5	80	M 10	25	19	34.1	55	15.5	5.5	196
GN 3664-80-M10-25-7.5	80	M 10	25	19	34.1	55	15.5	7.5	196
GN 3664-80-M10-32-4	80	M 10	32	19	34.1	55	15.5	4	200
GN 3664-80-M10-32-5.5	80	M 10	32	19	34.1	55	15.5	5.5	200
GN 3664-80-M10-32-7.5	80	M 10	32	19	34.1	55	15.5	7.5	200
GN 3664-80-M10-40-4	80	M 10	40	19	34.1	55	15.5	4	204
GN 3664-80-M10-40-5.5	80	M 10	40	19	34.1	55	15.5	5.5	204
GN 3664-80-M10-40-7.5	80	M 10	40	19	34.1	55	15.5	7.5	204
GN 3664-80-M10-50-4	80	M 10	50	19	34.1	55	15.5	4	210
GN 3664-80-M10-50-5.5	80	M 10	50	19	34.1	55	15.5	5.5	210
GN 3664-80-M10-50-7.5	80	M 10	50	19	34.1	55	15.5	7.5	210
GN 3664-80-M10-63-4	80	M 10	63	19	34.1	55	15.5	4	215
GN 3664-80-M10-63-5.5	80	M 10	63	19	34.1	55	15.5	5.5	215
GN 3664-80-M10-63-7.5	80	M 10	63	19	34.1	55	15.5	7.5	215
GN 3664-80-M12-25-4	80	M 12	25	19	34.1	55	15.5	4	203
GN 3664-80-M12-25-5.5	80	M 12	25	19	34.1	55	15.5	5.5	203
GN 3664-80-M12-25-7.5	80	M 12	25	19	34.1	55	15.5	7.5	203
GN 3664-80-M12-32-4	80	M 12	32	19	34.1	55	15.5	4	207
GN 3664-80-M12-32-5.5	80	M 12	32	19	34.1	55	15.5	5.5	207
GN 3664-80-M12-32-7.5	80	M 12	32	19	34.1	55	15.5	7.5	207
GN 3664-80-M12-40-4	80	M 12	40	19	34.1	55	15.5	4	212
GN 3664-80-M12-40-5.5	80	M 12	40	19	34.1	55	15.5	5.5	212
GN 3664-80-M12-40-7.5	80	M 12	40	19	34.1	55	15.5	7.5	212
GN 3664-80-M12-50-4	80	M 12	50	19	34.1	55	15.5	4	220
GN 3664-80-M12-50-5.5	80	M 12	50	19	34.1	55	15.5	5.5	220
GN 3664-80-M12-50-7.5	80	M 12	50	19	34.1	55	15.5	7.5	220
GN 3664-80-M12-63-4	80	M 12	63	19	34.1	55	15.5	4	229
GN 3664-80-M12-63-5.5	80	M 12	63	19	34.1	55	15.5	5.5	229
GN 3664-80-M12-63-7.5	80	M 12	63	19	34.1	55	15.5	7.5	229

Clamping knobs 2